

April 9, 2012

US EPA Region 10 Director, Office of Compliance & Enforcement 1200 Sixth Avenue, OCE-133 Seattle, Washington 98101



RE: NPDES # WA-002666-2, MONTHLY REPORT - MARCH, 2012 - ELWHA WATER TREATMENT PLANT

Attn: PCS Data Entry Team

Enclosed is the monthly Discharge Monitoring Report (DMR) for the Elwha Water Treatment Plant (Port Angeles, WA), for the month of March, 2012. The report is being submitted by Veolia Water North America (VWNA) Operating Services on behalf of the US Department of Interior, Bureau of Reclamation.

I have also resubmitted the DMR and data sheet for February, 2012. A small error was discovered and corrected in the reported influent mass loading for TSS (over 50 NTU).

Copies have been submitted to the Washington DOE.

Please contact me if there are any questions or comments regarding the enclosed Forms and report.

Sincerely,

Michael S Greene District Manager

CC:

Richard Bauman, BOR Tracy Gilchrist, NPS Jeff Bohman, NPS Tom Hubbard, VWNA Chet Epperson, VWNA

Enclosures:

- DMR, March, 2012; EPA Form 3320-1 (4 pages)
- Table of values & mass limits for turbidity over 50 NTU
- Corrected DMR and data table for February 2012

VEOLIA WATER NORTH AMERICA PO BOX 90578 Henderson, NV 89009 Tel 702-566-6001 / Fax 702-566-9030 www.Veoliawaterna.com



NAME

(Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT** (DMR)

US Department of Interior
Rureau of Peclamation

Port Angeles WA 98362-3613

Bureau of Reclamation ADDRESS 826 East Front Street, Suite A

(2-16)WA-002666-2 PERMIT NUMBER

(17-19)001 DISCHARGE NUMBER

Sedimentation Plant (non-wastewater)

Influent and effluent flows and other parameters are averaged for days that discharges occurred.

FACILITY Elwha Water Treatment Plant

LOCATION Elwha River/ Lat: 48°10' 10" N./Long: 123° 33' 7" W.

	MONITORING PERIOD													
ROM	YEAR	MO	DAY	TO	YEAR	MO	DAY							
	2012	03	01		2012	03	31							
_	(20-21)	(22-23)	(24-25)	1	(26-27)	(28-29)	(30-31)							

			(20-21)	(22-23)	(24-25)	(26-27) (28-29)	(30-31)					
PARAMETER									NO.	FREQUENCY	SA	MPLE
(32-37)		(3 Card Only) QUANT	TITY OR LOADING		(4 Card Only)	QUALITY OR CONCE	NTRATION		EX	OF	T	YPE
		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)			ANALYSIS	1	
		AVERAGE MONTHLY	MAXIMUM DAILY	UNITS	MINIMUM	AVERAGE MONTHLY	MAXIMUM DAIL	Y UNITS	(62-63)	(64-68)	(6	(9-70)
Flow	SAMPLE MEASUREMENT	44.9	51.2		*****	*****	****		0	continuous	reco	ording
Influent [0056 7 0 0]	PERMIT REQUIREMENT	Report	Report	CFS						Continuous	Rec	cording
Flow	SAMPLE MEASUREMENT	1.2	3.8		*****	****	*****		0	continuous	reco	ording
Effluent [0056 1 0 0]	PERMIT REQUIREMENT	Report	Report	CFS						Continuous	Rec	cording
Turbidity	SAMPLE MEASUREMENT	*****	*****		非非非非非非	295	1392		0	continuous	reco	ording
Influent [00070 7 0 0]	PERMIT REQUIREMENT					Report	Report	NTU		Continuous	Rec	ording
pH	SAMPLE MEASUREMENT	**************************************	*****		*****	7.8	8.0		0	daily	g	grab
Influent [00400 7 0 0]	PERMIT REQUIREMENT					6.5 – 8.5	8.5	s.u.		5/ week	G	Grab
рН	SAMPLE MEASUREMENT	*****	**************************************		*****	7.7	8.0		0	daily	g	grab
Effluent [00400 1 0 0]	PERMIT REQUIREMENT					6.5 – 8.5	8.5	s.u.		5/ week	G	Grab
Temperature	SAMPLE MEASUREMENT	*****	****		*****	4.3	5.5		0	daily	g	grab
Influent [00010 7 0 0]	PERMIT REQUIREMENT					Report	Report	°C		5/Week	G	Grab
Temperature	SAMPLE MEASUREMENT	*****	*****		*****	4.5	5.6			daily	g	grab
Effluent [00010 1 0 0]	PERMIT REQUIREMENT					Report	Report			5/Week	G	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE	PREPARED UNI	ER PENALTY OF LAW THA DER MY DIRECTION OR SU ASSURE THAT QUALIFIED I	PERVISION IN ACCORDA	ANCE WITH A	A SYSTEM	. 1.		TELEPHO)NE		DATE	
Michael S Greene, PE	EVALUATE THE	E INFORMATION SUBMITT	ED. BASED ON MY INQU	JIRY OF THE	PERSON OR	11/1/1/			17-1180	2012	4	09
, , , , , , , , , , , , , , , , , , ,	Project/Plant Manager, Veolia Water N. PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY											-
America Operating Services	GATILLAMO II.	ion, the live	ORMATION SOBWITTED	15, 10 111E I	DEST OF MI	10 mg						
TYPED OR PRINTED KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING FIRE ATTORNS KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE OFFICER OR AUTHORIZED AGENT CODE										YEAR	МО	DAY
COMMENT AND EXPLANATION OF ANY VIOLA				9								

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Computer Reproduction EPA Form 3320-1

3 2012 U.S. EFA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT

Page 1 of 4

(Include racility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

MONITORING PERIOD

TO

YEAR

DAY

9		
	US Department of Interior	
NAME	Bureau of Reclamation	

ADDRESS 826 East Front Street, Suite A Port Angeles WA 98362-3613

FACILITY Elwha Water Treatment Plant LOCATION Elwha River/Lat: 48° 10' 10" N./Long: 123° 33' 7" W.

(2-16)	
 WA-002666-2	
 PERMIT NUMBER	

MO

YEAR

FROM

(17-19)001 DISCHARGE NUMBER

MO

DAY

Sedimentation Plant (non-wastewater)

/Long: 123° 33	' 7" W.	(20-21)	(22-23)	01	2012	03	31							
		(20-21)	(22-23)											
			122 207	(24-25)	(26-27)	(28-29)	(30-31)							
	(3 Card Only) QUANT	TITY OR LOADING		(4 Card Only)	QUALIT	Y OR CONCI	ENTRATION			NO.	FREQUENCY		AMPLE	
	(46-53)	(54-61)		(38-45)	(4)	5-53)	(54-61	1		EX	OF ANALYSIS	1	TYPE	
	AVERAGE MONTHLY		UNITS						IINITS	(62-63)			(69-70)	
SAMPLE EASUREMENT	*****	推推排排排排排		*****			5	DI III I	011110	0	10/Mo		grab	
PERMIT EQUIREMENT					Re	port	Repoi	rt	#/100 ml		10/Month	1	Grab	
SAMPLE EASUREMENT	非非非非非非	*****		****		7.5	13			0	10/Mo		grab	
PERMIT EQUIREMENT					Re	port	Repor	rt	#/100 ml		10/Month	(Grab	
SAMPLE EASUREMENT	66,490	338,396		મેલ મેલ મોલ મોલ મોલ મોલ	27	0.8	1317.:	5		0				
PERMIT EQUIREMENT	Report	See I.B.3 & I.B.4	Lb/Day		Re	port	Repor	t	mg/L		Daily		24-Hr mposite	
SAMPLE EASUREMENT	29,821	152,498		*****	4,	332	23,12	5		0				
PERMIT QUIREMENT	204,570	1,190,010	Lb/Day		Re	port	Repor	t	mg/L		Daily	24-Hr composite		
SAMPLE EASUREMENT	No readings<50	No readings<50		*****	No read	lings<50	No reading	gs<50		0	Day of discharge	C	comp	
PERMIT QUIREMENT	Report	22	#/CFS River		Re	port	Repor	t	mg/L		Daily		4-Hr	
SAMPLE CASUREMENT	No readings<50	No readings<50		afe afe afe afe afe afe	No reac	lings<50	No reading	gs<50		0	Day of discharge	C	comp	
PERMIT QUIREMENT	Report	22	#/CFS River		Re	port	Repor	t	mg/L		Daily		4-Hr	
SAMPLE ASUREMENT	*****	*****		*****	<u>≤</u>	1.0	≤1.0			0	1/month	-	comp	
PERMIT QUIREMENT					Re	port	Repor	t	ml/L		1/month		4-Hr	
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

U.S. EPA NEGION 10 OFFICE OF COMPLIANCE AND ENFORCEMENT

3 2012

(Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME	US Department of Interior Bureau of Reclamation					2- <i>16)</i> 002666-2		7		(17-19) 001		Sedim	entation	Plant	(non-waste	water))
ADDRESS	826 East Front Street, Suite A	1			PERMIT	Γ NUMBER		-	DISC	CHARGE NU	MBER					,	
	Port Angeles WA 98362-3613	3						_									
							MONIT	ORING	PERIOD								
FACILITY	Elwha Water Treatment Plan	ıt	·····	FROM	YEAR	MO	DAY	ТО	YEAR	MO	DAY						
LOCATIO	N Elwha River/ Lat: 48° 10' 10	" N./Long: 123° 33	3' 7" W.		2012	03	01	-	2012	03	31						
					(20-21)	(22-23)	(24-25)	_	(26-27)	(28-29)	(30-31)						
	PARAMETER		(3 Card Only) OUAN	TITY OR L	OADNG		(4 Card On	()	OLIALIT	V OR CONC	ENTRATION.			NO.	FREQUENCY	SA	MPLE
	(32-37)						1				ENTRATION			EX	OF	Т	TYPE
			(46-53) AVERAGE MONTHLY		54-61) IUM DAILY	UNITS	(38- MINII			MONTHLY	(54-		LINITE	(62.62)	ANALYSIS	1 ,	(0 a 0)
	Settleable Solids	SAMPLE	*****		****	UNITS	****			5.3		6	UNITS	(62-63)	(64-68) 1/month	 '	69-70)
	Settledole Solids	MEASUREMENT			200000					5.5	3	U		0	1/111011111	"	comp
E	Effluent [00545 1 0 0]	PERMIT REQUIREMENT							Re	port	Rep	port	ml/L		1/month	2	4-Нг
								-								con	nposite
	BOD_5	SAMPLE MEASUREMENT	*****	16:36	***		非非非非	***	3	.4	3.	.4		0	1/month	C	comp
Е	Effluent [00310 1 0 0]	PERMIT REQUIREMENT							Rej	port	Rep	oort	mg/L		1/month	_	4-Hr nposite
	Alkalinity	SAMPLE MEASUREMENT	非非非非非非	**	****		***	**	55	5.2	7	0	mg/L	0	daily	C	omp
I	Effluent [0410 1 0 0]	PERMIT REQUIREMENT							Rej	port	Rep	oort	as CaCO ₃		1/month	24 H	Ir comp
T	otal Dissolved Solids	SAMPLE MEASUREMENT	*****	**	****		***	***	9	95	170	0.5		0	4/month	C	omp
Iı	nfluent [70295 7 0 0]	PERMIT REQUIREMENT							Rej	port	Rep	oort	mg/L		1/month		4-Hr
T	otal Dissolved Solids	SAMPLE	****	1/4 1/4 1	****		***	oje oje oje	19	6.6	48'	7.9		0	4/month	-	omp
Е	Effluent [70295 1 0 0]	MEASUREMENT PERMIT							Rep	oort	Rep	ort	mg/L		1/month	24	4-Hr
		REQUIREMENT														com	nposite
	Total Aluminum	SAMPLE MEASUREMENT	642.9	6	42.9		非非非非	***	2.	.5	2	.5		0	1/month	C	omp
It	nfluent [01105 7 0 0]	PERMIT REQUIREMENT	Report	R	eport	lb/Day			Rep	oort	Rep	ort	mg/L		1/month	1	4-Hr
	Total Aluminum	SAMPLE MEASUREMENT	111.8	1	11.8		***	***	20	0.0	20	0.0		0	1/month	CO	omp
Е	ffluent [01105 1 0 0]	PERMIT REQUIREMENT	Report	R	eport	lb/Day			Rep	ort	Rep	oort	mg/L		1/month		4-Hr
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Page 3 of 4

(Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

US Departme							2-16)				(17-19)									
NAME Bureau of Re	clamation					WA-0	002666-2				001		Sedime	ntation	n Plant (non-wastewater)					
ADDRESS 826 East From	nt Street, Suite A				PERMIT NUMBER					DISC	HARGE NUM	MBER								
Port Angeles	WA 98362-3613																			
				-				MONITO	RING P	ERIOD										
FACILITY Elwha Water	Treatment Plant				FROM	YEAR	MO	DAY	ТО	YEAR	MO	DAY								
LOCATION Elwha River	/ Lat: 48° 10' 10" N	N./Long: 123° 33	3' 7" W.			2012	03	01		2012	03	31								
					1	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)								
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(32-37)			, ,	QUANT				(4 Card Only)				ENTRATION			EX	OF	1	ГҮРЕ		
			(46-53)	ITTELL ST		t-61)	T v n vemo	(38-45		(46-		(54-6				ANALYSIS				
Dissolved Oxy	gen	SAMPLE	AVERAGE MON			JM DAILY	UNITS	MINIMU *****		AVERAGE 1		MAXIMUM 12.0		UNITS	(62-63)	(64-68)		69-70)		
Dissolved Oxy	M	IEASUREMENT								10	.0	12.0	,		0	DAILY	1	grab		
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Project/Plant Manager,	,	PERSONS WHO	MANAGE THE SYS	STEM, OR	THOSE PE	RSONS DIREC	CTLY RESPO	NSIBLE FOR		2. hot	4.1		300	"	,-1100	2012	04	0,5		
America Operating		GATHERING TH	E INFORMATION,	THE INFO	JKWATION	PORMILIED	13, 10 THE I	DEST OF MY	100	The state of the s								1		
TYPED OR PRI				JE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE					SIG	SIGNATURE OF PRINCIPAL EXECUTIVE			AREA		UMBER	YEAR	МО	DAY		
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COMMENT AND EXPLANATIO	ON OF ANY VIOLATIC						150	3 5 1	W 15	prog. 1										

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ELWHA_MARCH 2012 - WA-002666-2

INFLUENT TURBIDITY ABOVE 50 NTU

Day	Influent Turbidity - 13 NTU		flow/daily, at outfall 3078 MGD	flow/daily at outfall cal	River Flow, 1	TSS Influent, 8 mg/L	TSS Influent Mass_Calc Lbs/Day	TSS Effluent 5002 mg/L	TSS Effluent Mass_Calc Lbs/Day	Mass Limit_calc lbs/day
3/1/2012	76.00	30.2	0.67	1.04	1120	72.2	18,181	1412	THE RESERVE THE PARTY OF THE PA	44,108
3/2/2012	84.00	29.7	0.75	1.16	1110	64.5	15,972	1150	7,193	39,103
3/3/2012	102.00	30.5	0.70	1.08	1270	80.7	20,544	1126	6,574	55,860
3/4/2012	82.00	28.6	0.66	1.02	1050	83.9	20,008	1202	6,616	48,077
3/5/2012	86.00	27.3	0.63	0.97	1130	82.6	18,791	1276	6,704	50,878
3/6/2012	77.00	28.7	0.66	1.02	1110	77.2	18,488	1257	6,919	46,739
3/7/2012	75.60	29.2	0.67	1.04	1020	57.8	14,092	1138	6,359	32,190
3/8/2012	76.60	28.6	0.67	1.04	961	52.5	12,533	1010.7	5,648	27,565
3/9/2012	81.00	28.7	0.68	1.05	945	54.8	13,127	1046.7	5,936	28,305
3/10/2012	90.00	28.2	0.67	1.04	1050	72.4	17,048	1110.7	6,206	41,494
3/11/2012	73.00	28.1	0.67	1.04	1070	70.4	16,517	988	5,521	41,108
3/12/2012	91.00	25.8	0.63	0.97	1080	86	18,536	1458	7,661	50,650
3/13/2012	100.00	28.3	0.68	1.05	1100	81.7	19,300	1404	7,962	49,037
3/14/2012	81.00	30.8	0.67	1.04	1020	68.26	17,553	1346.7	7,525	38,015
3/15/2012	122.00	30.7	0.67	1.04	1490	179.73	45,964	3180.7	17,773	145,710
3/16/2012	249.00	31.4	0.84	1.30	2250	251.2	65,831	4088.6	28,643	307,134
3/17/2012	218.00	33.1	0.71	1.10	1790	187.9	51,850	2384	14,117	182,842
3/18/2012	153.70	29.9	0.65	1.01	1460	126.5	31,556	2379	12,897	100,483
3/19/2012	172.00	29.1	0.64	0.99	1740	156.1	37,832	2612	13,942	147,584
3/20/2012	147.00	28.19	0.67	1.04	1270	155.7	36,610	2804	15,668	107,731
3/21/2012	612.00	29.42	0.68	1.05	1200	273.4	67,080	5252	29,785	178,860
3/22/2012	189.69	29.42	0.68	1.05	1280	197.7	48,503	3663	20,774	137,878
3/23/2012	229.00	29.30	0.70	1.08	1145	226.9	55,446	4319	25,214	141,742
3/24/2012	212.50	28.92	0.69	1.07	1030	304.7	73,479	4910	28,255	171,394
3/25/2012	354.00	28.92	0.66	1.02	1110	370.4	89,322	4499	24,764	224,250
3/26/2012	393.00	28.10	0.67	1.04	1040	521.1	122,122	9282	51,866	295,837
3/27/2012	534.00	27.54	0.65	1.01	961	702.9	161,445	11454	62,092	368,934
3/28/2012	816.00	28.64	0.68	1.05	1220	1224.6	292,454	23125	131,147	814,369
3/29/2012	1351.00	26.53	0.63	0.97	1870	624.93	138,293	15205	79,890	634,649
3/30/2012	1392.00	34.66	2.46	3.81	1910	568.53	164,318	7433	152,498	599,150
3/31/2012	821.00	30.80	1.34	2.07	1650	1317.5	338,396	10775	120,417	1,190,010
DAILY MAX	1392	34.66	2.46	3.81	2,250	1317.5	338,396	23,125	152,498	1,190,010
AVERAGE	295	29.27	0.76	1.17	1,273	270.8	66,490	4,332	29,821	204,570